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(19) (CA) **CANADIAN PATENT** (12)

(54) PROCESS FOR THE PRODUCTION OF UREA
GRAINS WITH IMPROVED PROPERTIES

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Canada

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ABSTRACT

Urea grains having a content of from 0.1 to 10% by weight of dicyandiamide, based on the total amount of urea and dicyandiamide concentrated urea solutions or molten urea is converted into granulated urea with the dicyandiamide being added to the urea solutions or molten urea before conversion of the urea into grains. The urea grains are free flowing and thus have improved storage properties. Abrasion during transport and storage is substantially reduced.

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THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE
IS CLAIMED ARE DEFINED AS FOLLOWS:

1. Urea grains having a content of from 0.1 to 3.5% by weight of dicyandiamide, based on the total amount of urea and of dicyandiamide.
2. Process for the production of urea grains by the conversion of concentrated urea solutions or molten urea into granulated urea, characterized in that 0.1 to 3.5% by weight of dicyandiamide, based on the total amount of urea and of dicyandiamide, is added to the urea solution or to the molten urea, before the conversion of the urea into grains.
3. Process according to claim 2, characterized in that molten urea, which contains 0.1 to 3.5% of dicyandiamide, is prilled.

SUBSTITUTE

REMPLACEMENT

SECTION is not Present

Cette Section est Absente